(19) World Intellectual Property Organization International Bureau



TERRETARI DE CONTRE DE CON

(43) International Publication Date 20 January 2005 (20.01.2005)

PCT

(10) International Publication Number WO 2005/005106 A2

(51) International Patent Classification⁷:

B25J 3/00

(21) International Application Number:

PCT/GB2004/002915

(22) International Filing Date:

5 July 2004 (05.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0315945.6

8 July 2003 (08.07.2003) GB

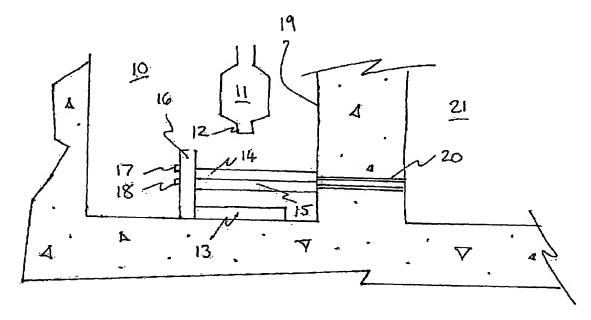
- (71) Applicant (for all designated States except US): BRITISH NUCLEAR FUELS PLC [GB/GB]; Risley, Warrington, Cheshier WA3 6AS (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DANIEL, Gerald, Albert [GB/GB]; BNFL plc, Building 1100, Daresbury Park, Warrington WA3 6AS (GB). BROADHURST, Brent [GB/GB]; BNFL plc, Building 1100, Daresvzry Park, Warrington WA3 6AS (GB). HARKENS, James, Philip [GB/GB]; BNFL plc, Building 1100, Daresvzry Park, Warrington WA3 6AS (GB). ROBSON, Colin,

James [GB/GB]; BNFL plc, Building 1100, Daresvzry Park, Warrington WA3 6AS (GB).

- (74) Agent: HARRISON GODDARD FOOTE; 31 St. Saviourgate, York Y01 8NQ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: REMOTE TOOLING



(57) Abstract: A method and apparatus for manipulating a target object is disclosed. The manipulator apparatus includes a base which may be secured to a trolley and a hydraulic arm mounted on the base arranged for being controlled remotely by a user. The arm includes at an end distal from the base a tool coupling which is arranged to receive a variety of tools for performing work on the target object.

WO 2005/005106 A2



Published:

 without international search report and to be republished upon receipt of that report For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.